

Work Experience

Full Stack Developer Zing Fort Wayne, IN Oct 2023 - Feb 2024

- Successfully reduced operational costs by deploying a cost-effective ordering web app, leveraging Angular, TypeScript, HTML, CSS, and Bootstrap for the frontend, with Firebase serving as the backend.
- Enhanced site reliability and accuracy, achieving 99.999% uptime and a 99.98% accuracy rate in processing orders over the span of 5 months, by implementing CI/CD pipelines with GitHub Actions and leveraging Firebase's active listener architecture.
- Streamlined development process that transitioned potential shippable product to a fully realized solution by actively engaging with the restaurant manager across all stages of the Software Development Life Cycle (SDLC).
- Boosted order handling efficiency by 30% which enhanced communication between servers and cooks through collaboration with management and staff members of the restaurant for feedback.

Computer Science Teaching Assistant Indiana University Bloomington, IN 2016 - 2017

- Enhanced the class's success rate, with 29 out of 30 students passing, by effectively conveying complex programming concepts, demonstrating improved communication skills.
- Boosted student satisfaction rates by 10%, a direct result of exceptional time management in promptly grading over 500 homework assignments and 420 lab quizzes within tight deadlines.
- Significantly improved students' grasp of key computer science concepts, such as data structures, abstraction, recursion, and more, by fostering a collaborative learning environment, contributing to a deeper and more engaging educational experience.

Projects

2DoList Feb 2024 - Present

- Improving code maintainability by 30%, significantly simplifying updates and enhancing scalability, through the application of best practices such as DRY, functional state commits, KISS, and SOLID principles.
- Accelerating project completion by 15%, enabling faster releases and more efficient feedback integration, through the optimization of the development workflow, utilizing version control with GitHub and refining processes in Android Studio and IntelliJ.
- Developing an Android application for daily task automation, which enhanced user engagement and satisfaction by creating a more intuitive user experience, utilizing Java, Android Studio, XML, Gradle, and Material Design principles.

Cerebro Aug 2022 - May 2023

- Increased engaging user experience by extending Legacy Code to enhance UI, add features, and assist in game design, utilizing Java, Android Studio, XML, and Firebase.
- Boosted project efficiency 20% leading to shorter development time through strategic use of GitHub and Scrum Agile, building collaboration and sprint management in a 4-person team.
- Directed efforts in comprehensive usability testing, resulting in a 15% increase in user satisfaction by identifying and refining critical game features based on expert feedback.

Career Path Recommendation Aug 2021 - Dec 2021

- Distinguished the project from 7 competitors by leading the user interface design and development of a prototype for a career recommendation engine using Adobe XD, resulting in a superior user interface and user experience.
- Implemented a responsive UI using HTML, CSS, Bootstrap in Angular for optimal user experience across various devices, while collaborating closely with 3 team members on comprehensive project documentation and code review submission.
- Streamlined project planning with Scrum Agile, cutting development time by 20% through efficient sprint management.

Education

B.S. in Computer Science Purdue University Fort Wayne Fort Wayne, IN Dec 2023

Languages and Technologies

- **Programming Languages:** Java, JavaScript, TypeScript, Python, C, SQL, Kotlin
- **Frontend:** HTML, CSS, Angular, Bootstrap, Jekyll
- **Backend:** Node.js, Express.js, MongoDB, Firebase, JSON, SQL
- **Mobile:** Java, XML, Material Design
- **DevOps:** Docker, CI/CD, GitHub Actions
- **Testing:** JUnit4, Jest, TDD, Unit Testing, Test coverage, Debugging Tools, Usability Testing
- **Collaboration & Agile:** Git, Code Review, Documentation, Scrum, Kanban
- **Tools & Technologies:** REST API, NoSQL, Trello, Microsoft Teams, Figma, Adobe XD